

**GOVERNMENT OF INDIA
ENVIRONMENT, FORESTS AND CLIMATE CHANGE
LOK SABHA**

UNSTARRED QUESTION NO:3741

ANSWERED ON:22.12.2015

Ground Level Ozone

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Will the Minister of ENVIRONMENT, FORESTS AND CLIMATE CHANGE be pleased to state:

- (a) whether the Government is aware of the rising ground level ozone in the country;
- (b) if so, the details thereof and the reasons therefor; and;
- (c) the remedial measures taken/being taken by the Government to contain the rise in ground level ozone in the country?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT, FOREST AND CLIMATE CHANGE

(SHRI PRAKASH JAVADEKAR)

(a) & (b) The Ozone level monitoring is conducted by Central Pollution Control Board at 04 locations in Delhi, 02 locations in Bangalore, 02 locations in Chennai and 02 locations in Lucknow. The average of eight hourly values is given below:-

City Ozone Concentration $\mu\text{g}/\text{m}^3$ (Average of Eight Hourly values)

Delhi Location / Year 2012 2013 2014

DMS, Shadipur 32 27 31

NSIT, Dwaraka 28 32 33

DTU, 58 47 23

ITO 39 41 34

Bangalore BTM 48.3 27.2 33.7

BWSSB 38.0 40.1 25.3

Chennai IIT 19.0 100.4 34.5

Alandur 10.1 18.1 25.2

Lucknow Lal Bagh 55.33 84.75 25.82

Aliganj 51.05 56.99 30.63

The ozone levels have not exceeded the norms of 100 $\mu\text{g}/\text{m}^3$ for eight hourly average at any locations except one at IIT, Chennai during the last three years.

(c) The ozone formation is the result of primary pollutants and a number of measures have been taken to control the precursors pollutants like NO_x, Volatile Organic Compounds (VOC), Hydrocarbons (HC), etc. The measures being taken by the Government to control pollution inter alia include;

• Notification of National Ambient Air Quality Standards (2009), envisaging 12 pollutants;

• Formulation of regulations / statutes;

• Setting up of monitoring network for assessment of ambient air quality;

• Introduction of cleaner / alternate fuels like gaseous fuel (CNG, LPG), ethanol blend etc. replacing petrol and diesel;

• Promotion of public transport network of metro, buses, e-rickshaws etc.;

• Promotion of cleaner production processes;

Taking note of the gravity of air pollution, the Government has taken concrete more measures as listed below:

• Launching of Clean India Mission (Swatch Bharat Abhiyan);

• Draft rules for handling and management of municipal wastes including construction and demolition waste rules notified for comments of stakeholders;

• National Air Quality index launched by the Prime Minister in April, 2015 starting with 14 cities;

• Implementation of Bharat Stage IV norms in the 63 selected cities and universalization of BS-IV by 2017;

• Ministry of Road Transport and Highways on 27.11.2015 issued two Draft Notifications issued for advancing the implementation time lines to 2019 for BS- V and 2021 for BS- VI for comments of stakeholders;

• Banning of burning of leaves, biomass, municipal solid waste in Delhi;

• Levying environment compensation charge on goods vehicles entering Delhi;

• Regular co-ordination meetings being held at official and ministerial level with Delhi and other State Governments within the National Capital Region (NCR) and Punjab;

• Short-term plan has been reviewed and long-term plans have been formulated by states to mitigate pollution in NCR;

• Stringent industrial standards have been formulated and notified for public/stakeholder's comments; standards for sugar industry have been finalized;

• Government is giving high priority for public partnership in lane discipline, car pooling, vehicle maintenance, pollution under

control certification, action against visibly polluting vehicles etc.;

â€¢ Out of 3386 major industries, 1782 industries have installed on-line continuous (24x7) monitoring devices; others are in process of installing;

â€¢ New standards for thermal power plants have been issued for gazette notification;

â€¢ Directions under section 18(1) (b) of The Air (Prevention and Control of Pollution) Act, 1981 being issued to enforcing agencies; and

â€¢ Construction of peripheral eastern and western expressways to divert non-destined vehicles.
